

C-4

**NPDES AQUACULTURE ANNUAL REPORT
CANYON SPRINGS FARM
NPDES PERMIT # IDG13-0104
YEAR 2017
DATE: 1/9/18**

RECEIVED

JAN 16 2018

EPA - REGION 10
Office of Compliance and Enforcement

I.

FACILITY OWNER: McCollum Enterprise, dba Canyon Springs
ADDRESS: P.O. Box 5492, Twin Falls, Idaho, 83303.
PHONE: (208) 732-5680.
E-MAIL: dave@canyonspringsgolf.com

FACILITY OPERATOR: McCollum Enterprise
ADDRESS: PO BOX 5492, Twin Falls, Idaho, 83303.
PHONE: (208) 732-5680
E-MAIL: dave@canyonspringsgolf.com

II.

ANNUAL FISH PRODUCTION SUMMARY:

Canyon Springs Farm produced fish from January 1st through December 31st. Canyon Springs is defined as a class 3 warmwater aquaculture facility under the current NPDES permit for aquaculture. Tilapia production for the entire year stated as harvested weight was approximately 163936 pounds.

III.

FEED USAGE:

Pounds of food fed at Canyon Springs during the maximum month was estimated at 39520 pounds for the month of April 2017.

IV.

SUMMARY REPORT OF NON-COMPLIANCE:

No non-compliance events occurred during the period of January 1, through December 31.

ICIS 1/17/18 JRC

V.

BEST MANAGEMENT PRACTICES (BMP) PLAN:

The BMP Plan for Canyon Springs has been reviewed this year, and fulfills the requirements set forth in the permit.

VI.

SUMMARY OF LAND APPLICATIONS:

Facility effluent water was land applied by irrigation on the Canyon Springs Golf Course during the the period of March through November. Estimated water volume applied is calculated as:

Approximately up to a maximum,

1200 gpm for 12 hours daily for 8 months = 208 million gallons.

No dredging occurred during 2017.

VII.

OFFLINE SETTLING BASIN DISCHARGE FREQUENCY

Not applicable to the Canyon Springs farm.

VIII.

CHEMICAL USE SUMMARY:

See external treatment record attached to this report.

See internal treatment record attached to this report.

IX.

FISH IMPORTATION, TRANSPORT, AND RELEASE PERMITS:

Grass carp permit was issued by IDFG to stock hatchhouse settling pond with 60 carp for control of aquatic vegetation.

X.

INSPECTIONS AND REPAIRS FOR PRODUCTION AND WASTEWATER TREATMENT SYSTEMS.

Routine inspection, maintenance, and repairs to fish screens occurred during the year. Repairs to screens occurred throughout the year as needed. No repairs occurred to wastewater treatment system in 2017.

XI.

SUMMARY OF FEED PRACTICES:

Current feed used at this facility is:

Rangen fry feeds, 45% protein.
Rangen fingerling feeds 45% protein.
Rangen bulk production feed 5/32", 35% protein.

Feed was fed 4 times daily by hand at hatch-house, and 1 times per day by hand and with demand feeders at production ponds.

Percent Phosphorus contained in the feed is calculated at 1.0-1.2 % (Rangen Inc.).

V11.

CLEANING RECORD SUMMARY:

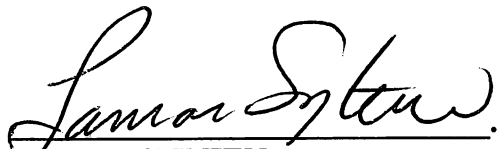
See pond cleaning record attached to this report.

V111.

SUMMARY OF NOTICE OF INTENT PRODUCTION CHANGES:

No production changes are anticipated at this time.

SIGNATURE OF PRINCIPLE OFFICER:

A handwritten signature in cursive script, reading "Lamar Sytten", written over a horizontal line.

**LAMAR SYLTEN
PRODUCTION MANAGER
MCCOLLUM ENTERPRISE**

DATE: 1/9/18.

SILVER CREEK FARMS, INC.
FARM OPERATIONS

EXTERNAL TREATMENT RECORD

FARM:

YEAR:

Canyon Springs
2017

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DATE	POND	CHEMICAL	DOSAGE	DURATION	COMMENTS
1/18, 1/19, 1/20	A3, A4	KMnO ₄	2ppm	30'	A/p flush
1/24, 1/25, 1/26	A3, A4	KMnO ₄	2ppm	30'	A/p flush
2/1, 2/3, 2/4	A5, A6	KMnO ₄	2ppm	30'	" "
2/14, 2/22, 2/27	A4	KMnO ₄	2ppm	30'	" "
2/15, 17	A3, B1			flush	
2/22, 2/24	A2				
2/24/17	A1				
2/23/17	A4				
2/27/17	A2, A4				
2/28/17	A4				
3/14, 3/15, 3/22, 3/6, 3/13	A4	KMnO ₄	2ppm	30'	A/p, strong flush
3/6, 3/13	A6				
3/13, 17	A5				
3/14, 17	A3				
4/7/17	A4, A6, B1, B2	KMnO ₄	2ppm	30' flush	A/p
4/16/17	A4, A6, B1, B2	KMnO ₄	2ppm	30' flush	A/p
4/17/17	A4, A6				
4/21	A4, A6				
5/8, 9, 17	A4, A6	KMnO ₄	2ppm	30' flush	A/p
5/18, 22,	A6				
5/31	A4				
6/5	A6	KMnO ₄	2ppm	30' flush	A/p gill
6/6	A5				
6/7	A6, B1, B2	KMnO ₄	2ppm	30' flush	A/p gill
6/9	B1				
6/14	A5,				
6/16	A4				
6/23, 24/17	A3				
7/3, 4, 5	A3	KMnO ₄	2ppm	30' flush	A/p gill disease
7/12, 13, 14	A3				
7/17, 18/17	A3				
7/31/17	A3, A4				

SILVER CREEK FARMS, INC.
FARM OPERATIONS

EXTERNAL TREATMENT RECORD

FARM:
YEAR:

Canyon Springs
2017

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DATE	POND	CHEMICAL	DOSAGE	DURATION	COMMENTS
8/2, 3, 4	A3, A4	KMnO ₄	2ppm	30' flush	A/p gill disease
8/8, 8/9, 8/10	A3, A4	↓	↓	↓	↓
8/14, 15, 18	A3, A4	↓	↓	↓	↓
8/21, 23, 28, 29	A3, A4	↓	↓	↓	↓
8/31, 9/1, 9/2	A3, A4	KMnO ₄	2ppm	30' flush	A/p, gill disease
9/4, 9/5, 6, 7	A3, A4	↓	↓	↓	↓
9/11, 12, 14, 15, 16	A3, A4	↓	↓	↓	↓
9/18, 19, 20	A3, A4	↓	↓	↓	↓
9/25, 26, 27, 28	A3, A4	↓	↓	↓	↓
10/2	A3, A4	↓	↓	↓	↓
10/3 - 10/6	A3, A4	KMnO ₄	2ppm	30' flush	A/p, gill
10/9 - 9/12	A3, A4	↓	↓	↓	↓
10/13	A5, A6	↓	↓	↓	↓
10/16 - 10/18	A3, A4	↓	↓	↓	↓
10/23 - 10/24	A3, A4	↓	↓	↓	↓
10/26	A3, A4	↓	↓	↓	↓
10/27	A4	↓	↓	↓	↓
10/30	A3, 4	↓	↓	↓	↓
10/31	A3, A4	↓	↓	↓	↓
11/1, 2	A3, A4	KMnO ₄	2ppm	30' flush	gill, A/p
11/6, 7, 8, 9	A3, A4	↓	↓	↓	↓
11/14, 15, 16	A4	↓	↓	↓	↓
11/17	A4, A5	↓	↓	↓	↓
11/20	A4, A5	↓	↓	↓	↓
11/22	A4	↓	↓	↓	↓
11/28, 29, 30, 12/1	A4	KMnO ₄	2ppm	30' flush	gill & A/p
12/4, 5, 6	A3, A4	↓	↓	↓	↓
12/12, 14, 15	A3, A4	↓	↓	↓	↓
12/18 - 12/22	A3, A4	↓	↓	↓	↓
12/26/17	A3, A4	↓	↓	↓	↓
		END	2017		

INTERNAL TREATMENT RECORD

FARM: Canyon Springs
YEAR: 2017

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POND CLEANING RECORD

YEAR:

2017

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